



552794

(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/090295 A1

(51) International Patent Classification⁷: **F01N 3/031, 3/033**

(21) International Application Number:
PCT/SE2004/000445

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:
0301093-1 14 April 2003 (14.04.2003) SE

(71) Applicant (for all designated States except US): **SCANIA CV AB (PUBL)** [SE/SE]; S-151 87 Södertälje (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **OLOFSSON, Klas** [SE/SE]; Anders Wisslers väg 4, S-647 31 Mariefred (SE).

(74) Agent: **FORSELL, Hans**; Scania CV AB, Patent, S-151 87 Södertälje (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

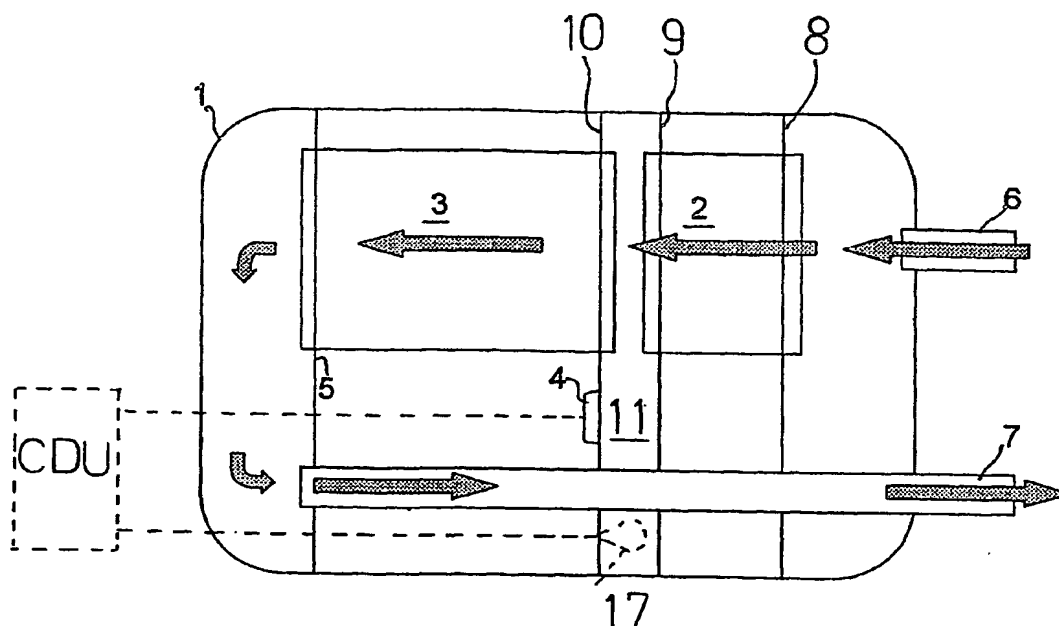
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE OF A PARTICLE FOR AN EXHAUST SYSTEM, SILENCER INCLUDING SUCH A DEVICE, AND A COMBUSTION ENGINE DRIVEN VEHICLE



(57) Abstract: Method and device pertaining to a particle filter (3) for an exhaust system for a combustion engine whereby the filter (3) is regenerated by spontaneous combustion of particles accumulated in the filter. Exhaust gases from the combustion engine are led, during operation, past the filter (3) when the counterpressure in the exhaust gases which is caused by the filter (3) exceeds a certain level. The invention also relates to a silencer and a vehicle which is driven by combustion engine.

WO 2004/090295 A1